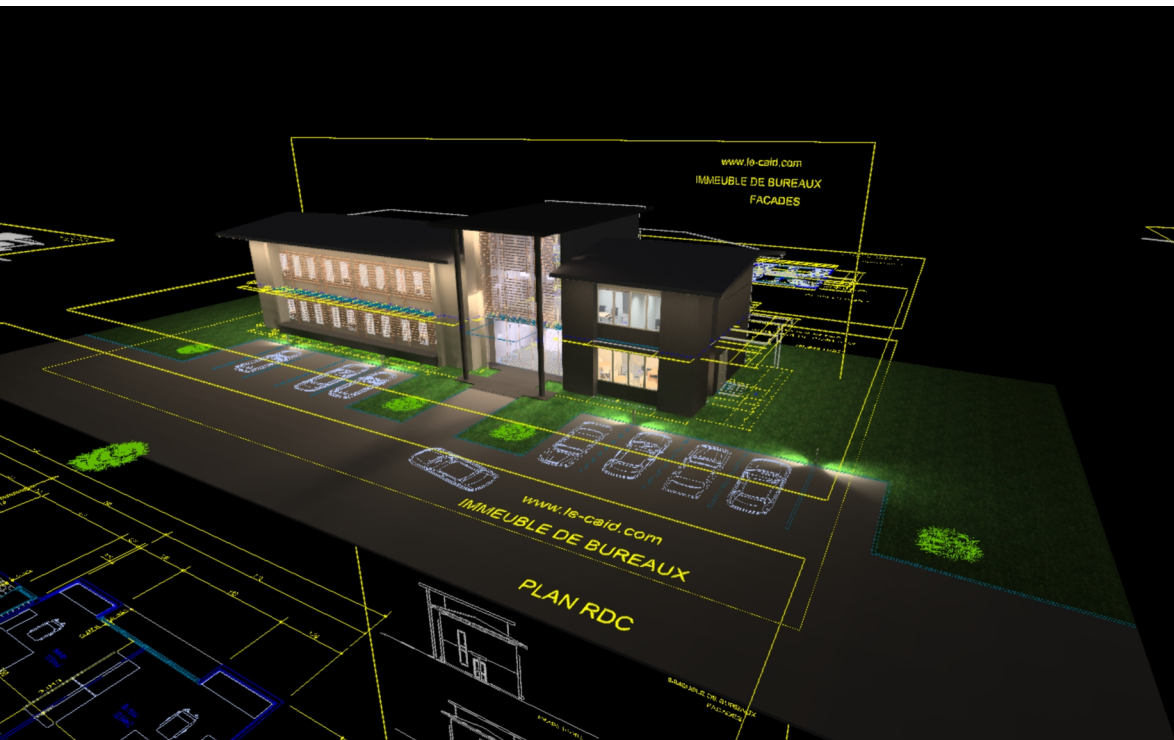




Commercial Office Design

Commercial space lighting design and layout

Object

999 spukierweg
Zuid Amsterdam
9999 AA
Netherlands

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Contacts



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Building 1 · Ground Floor

Luminaire list

Φ_{total} 140497 lm	P_{total} 1543.9 W	Luminous efficacy 91.0 lm/W	$\Phi_{\text{Emergency lighting}}$ 2880 lm	$P_{\text{Emergency lighting}}$ 56.0 W
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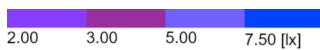
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	CDN Light	31070124 060	HE Ser CEGB2835F-100-WX DC24C 13W 2700K	13.6 W	1636 lm	120.2 lm/W
10	Eaton Emergency Lighting	40071352 192	Micropoint 2 O CG-S	2.9 W	142 lm	49.0 lm/W
			 2.9 W	142 lm (100 %)	–	
2	Eaton Emergency Lighting	BL2MD- E3CGL	BeamLite II 2x400lm 3h CGL	4.5 W	400 lm	88.9 lm/W
			 4.5 W	400 lm (100 %)	–	
56	Endo Lighting	ERD2804W _RAD848F	Fixed Downlight	6.2 W	710 lm	114.6 lm/W
4	Endo Lighting	ERD6973W _RX368NA	Fixed Downlight	5.7 W	436 lm	76.6 lm/W
3	Glamox		DIS-P480 1400 DALI 840	13.0 W	1468 lm	112.9 lm/W
85	Hide-a-lite	7503989	LED Extend G2 30 4000K	3.5 W	243 lm	69.4 lm/W
30	ISOLED	113459	LED CRI940 MICRO Linear flex stripe, 24V DC, 10W, IP20, 4000K, 5m roll, 240 LED/m	10.0 W	921 lm	92.1 lm/W
13	Lightnet	LG3AEE- 840E- L890-Y	Matric 55mm Suspended Direct - G3	12.0 W	1170 lm	97.5 lm/W
8	Nexia	31701-XF0	Dune Wall Up&Down	5.5 W	216 lm	39.2 lm/W
4	PAK    	PAK41303 4 PAK-LED- S205- 10WA- 3090-W	  LED  	10.0 W	700 lm	70.0 lm/W
3	SLV	1008004	ONE VERTICAL PD	39.4 W	2476 lm	62.8 lm/W

Building 1 · Ground Floor

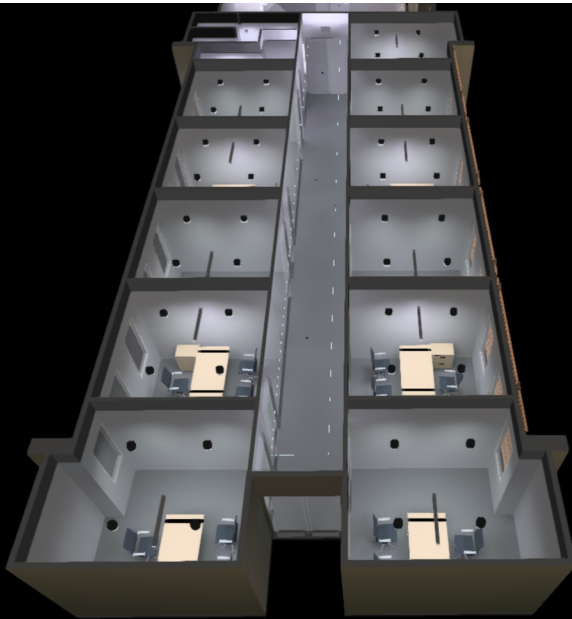
Luminaire list

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
6	Thorlux Lighting	WAM03D	Atom - 3W - 4000K - Down Arrow - SmartScan Emergency		3.0 W	110 lm (100 %)	–
2	TREVOS	107018	NAON 1.2ft 1600/840		9.8 W	1560 lm	159.2 lm/W
5	VARTON	V1-RF-90111-10D01-6500840 DL-01 11 W 8W 4000K DALI	LED Downlights		8.0 W	800 lm	100.0 lm/W

Building 1 · Ground Floor (Emergency light scene)

Emergency route 1

Properties	$E_{\min}$ Middle area (Target)	$E_{\max}$ Middle area	$E_{\min}$ Centerline (Target)	$E_{\max}$ Centerline	U_d (Target)	Index
Emergency route 1 Perpendicular illuminance (adaptive) Height: 0.000 m	2.82 lx (≥ 0.50 lx) ✓	5.05 lx	2.83 lx (≥ 1.00 lx) ✓	5.04 lx	0.56 (≥ 0.025) ✓	ER1



Building 1 · Ground Floor · Office 4

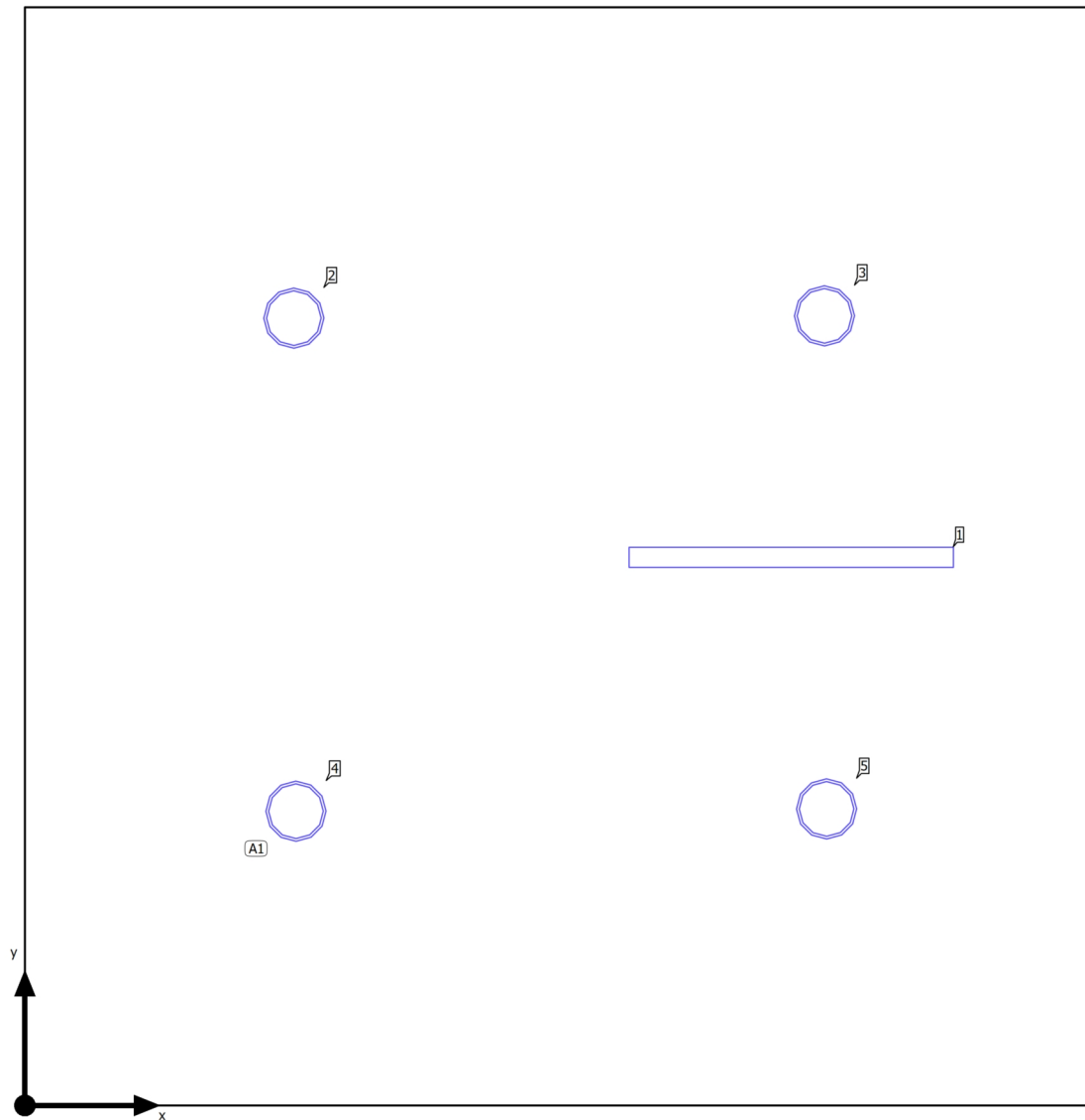
Description

Each individual office features a linear pendant luminaire positioned over the primary working area, providing effective and uniform task lighting across the desk and workspace. Recessed downlights are incorporated as supplementary background lighting to illuminate the surrounding area of the office.

This approach helps reduce excessive contrast between the brightly illuminated working plane and the surrounding environment, improving overall visual comfort within the space.

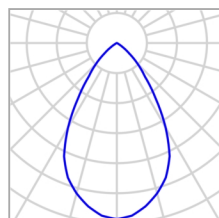
Building 1 · Ground Floor · Office 4

Luminaire layout plan



Building 1 · Ground Floor · Office 4

Luminaire layout plan



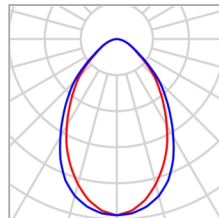
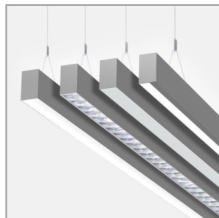
Manufacturer	Endo Lighting	P	6.2 W
Article No.	ERD2804W_RAD848F	Φ _{Luminaire}	710 lm
Article name	Fixed Downlight		
Fitting	1x RAD848F		

4 x Endo Lighting Fixed Downlight

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.744 m / 0.807 m / 2.579 m	0.738 m	2.160 m	2.579 m	2
X-direction	2 pcs., Centre - centre, Distances not equal	2.194 m	2.166 m	2.579 m	3
		0.744 m	0.807 m	2.579 m	4
Y-direction	2 pcs., Centre - centre, Distances not equal	2.200 m	0.813 m	2.579 m	5
Arrangement	A1				

Building 1 · Ground Floor · Office 4

Luminaire layout plan



Manufacturer	Lightnet	P	12.0 W
Article No.	LG3AEE-840E-L890-Y	$\Phi_{\text{Luminaire}}$	1170 lm
Article name	Matric 55mm Suspended Direct - G3		
Fitting	1x LED		

Individual luminaires

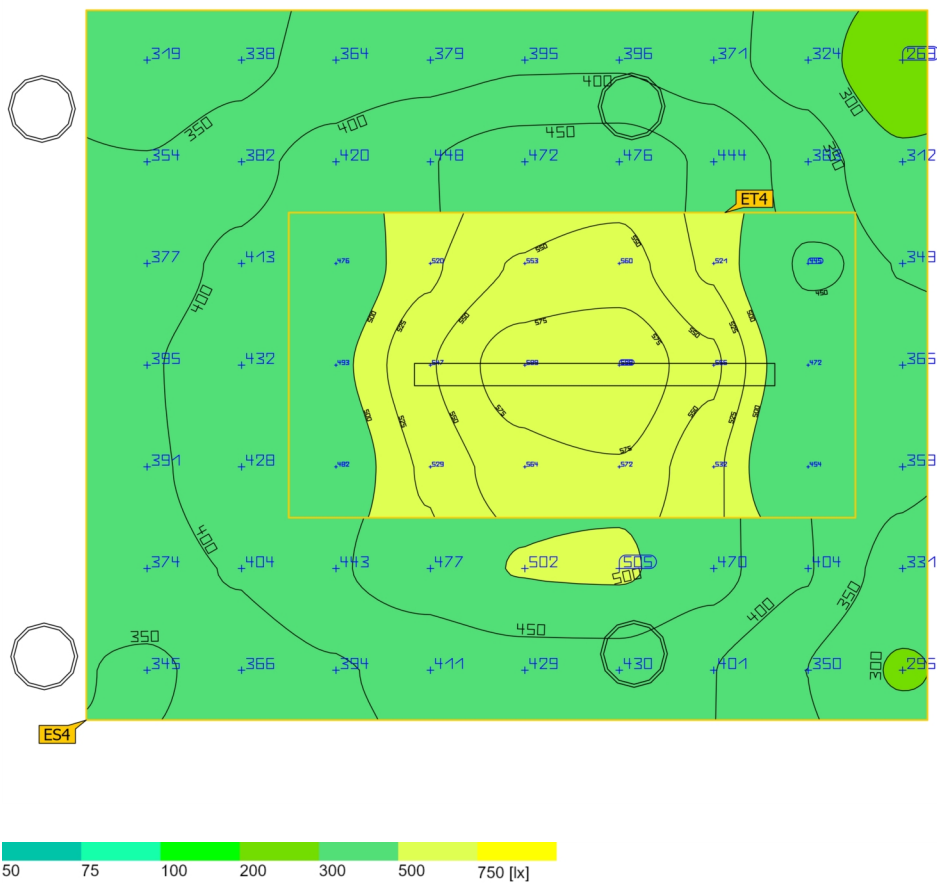
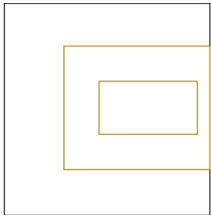
X	Y	Mounting height	Luminaire
2.103 m	1.504 m	2.300 m	1

Building 1 · Ground Floor · Office 4

Luminaire list

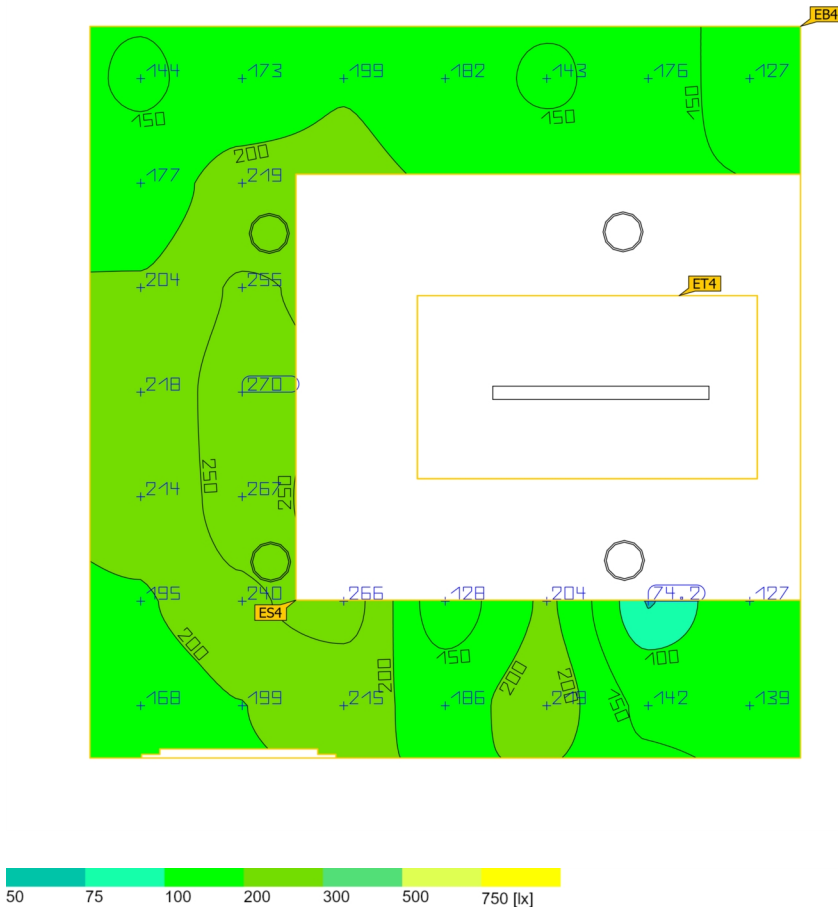
Φ_{total} 4010 lm		P_{total} 36.8 W		Luminous efficacy 109.0 lm/W		
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Endo Lighting	ERD2804W _RAD848F	Fixed Downlight	6.2 W	710 lm	114.6 lm/W
1	Lightnet	LG3AEE- 840E- L890-Y	Matric 55mm Suspended Direct - G3	12.0 W	1170 lm	97.5 lm/W

Building 1 · Ground Floor · Office 4 (General Lighting)

Visual task Area Office 4

Building 1 · Ground Floor · Office 4 (General Lighting)

Visual task Area Office 4



Properties	$\bar{E}$ (Target)	E_{min}	E_{max}	$U_o (g_1)$ (Target)	g_2	Index
Visual task Area Office 4 Perpendicular illuminance Height: 0.800 m, Surrounding area: 0.500 m	526 lx (≥ 500 lx) ✓	445 lx	598 lx	0.85 (≥ 0.60) ✓	0.74	ET4
Surrounding area Office 4 Perpendicular illuminance Height: 0.800 m	393 lx (≥ 300 lx) ✓	268 lx	505 lx	0.68 (≥ 0.40) ✓	0.53	ES4
Background Area Office 4 Perpendicular illuminance Height: 0.000 m, Wall zone: 0.500 m	189 lx (≥ 100 lx) ✓	74.2 lx	270 lx	0.39 (≥ 0.10) ✓	0.27	EB4

Utilisation profile: DIALux presetting (5.26.2 Standard (office))



Building 1 · Ground Floor · Office Circulation Area

Description

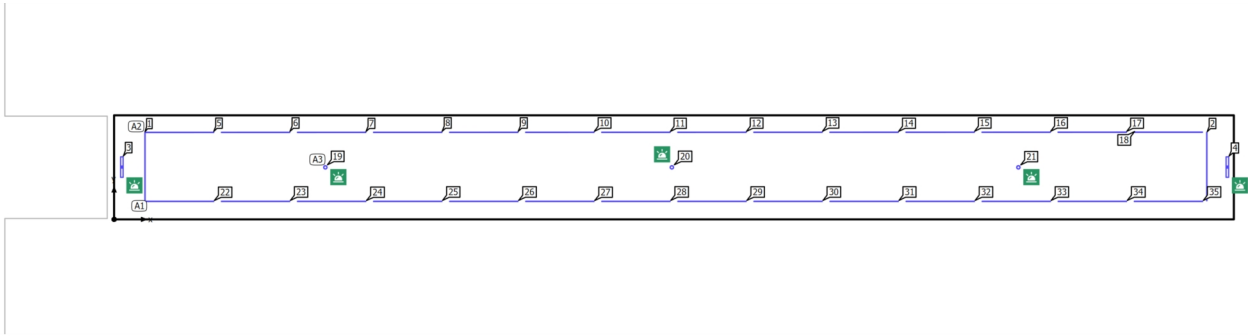
The office circulation areas will utilise indirect lighting to create a soft and comfortable visual environment.

This lighting approach provides sufficient illumination for movement between offices while maintaining a subtle and unobtrusive appearance.

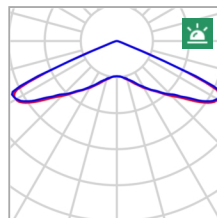
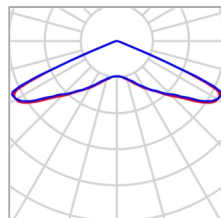
The softer indirect light also helps prevent excessive brightness or glare from the circulation areas, ensuring that the lighting does not negatively affect the visual comfort within the adjacent office spaces.

Building 1 · Ground Floor · Office Circulation Area

Luminaire layout plan



Building 1 · Ground Floor · Office Circulation Area

Luminaire layout plan

Manufacturer	Eaton Emergency Lighting
Article No.	40071352192
Article name	Micropoint 2 O CG-S
Fitting	1x Mains mode Micropoint 2 O CG-S, 1x Emergency mode 40071352192

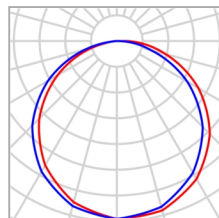
P	2.9 W
P _{Emergency lighting}	2.9 W
Φ _{Luminaire}	142 lm
Φ _{Emergency lighting}	142 lm
ELF	100 %

3 x Eaton Emergency Lighting Micropoint 2 O CG-S

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	3.094 m / 0.762 m / 2.498 m	3.094 m	0.762 m	2.498 m	19
X-direction	3 pcs., Centre - centre, 5.075 m	8.169 m	0.762 m	2.498 m	20
Arrangement	A3	13.244 m	0.762 m	2.498 m	21

Building 1 · Ground Floor · Office Circulation Area

Luminaire layout plan



Manufacturer	ISOLED	P	10.0 W
Article No.	113459	Φ _{Luminaire}	921 lm
Article name	LED CRI940 MICRO Linear flex stripe, 24V DC, 10W, IP20, 4000K, 5m roll, 240 LED/m		
Fitting	1x LED CRI940 MICRO Linear flex stripe, 24V DC, 10W, IP20, 4000K, 5m roll, 240 LED/m		

14 x ISOLED LED CRI940 MICRO Linear flex stripe, 24V DC, 10W, IP20, 4000K, 5m roll, 240 LED/m

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.958 m / 0.264 m / 2.504 m	0.958 m	0.264 m	2.504 m	22
X-direction	14 pcs., Centre - centre, 1.114 m	2.072 m	0.264 m	2.504 m	23
Arrangement	A1	3.186 m	0.264 m	2.504 m	24
		4.300 m	0.264 m	2.504 m	25
		5.415 m	0.264 m	2.504 m	26
		6.529 m	0.264 m	2.504 m	27
		7.643 m	0.264 m	2.504 m	28
		8.757 m	0.264 m	2.504 m	29
		9.871 m	0.264 m	2.504 m	30
		10.985 m	0.264 m	2.504 m	31

Building 1 · Ground Floor · Office Circulation Area

Luminaire layout plan

X	Y	Mounting height	Luminaire
12.099 m	0.264 m	2.504 m	32
13.214 m	0.264 m	2.504 m	33
14.328 m	0.264 m	2.504 m	34
15.442 m	0.264 m	2.504 m	35

14 x ISOLED LED CRI940 MICRO Linear flex stripe, 24V DC, 10W, IP20, 4000K, 5m roll, 240 LED/m

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.958 m / 1.274 m / 2.503 m	0.958 m	1.274 m	2.503 m	5
X-direction	14 pcs., Centre - centre, 1.114 m	2.072 m	1.274 m	2.503 m	6
Arrangement	A2	3.186 m	1.274 m	2.503 m	7
		4.300 m	1.275 m	2.502 m	8
		5.414 m	1.275 m	2.502 m	9
		6.528 m	1.275 m	2.502 m	10
		7.642 m	1.275 m	2.502 m	11
		8.756 m	1.276 m	2.502 m	12
		9.870 m	1.276 m	2.502 m	13
		10.984 m	1.276 m	2.502 m	14
		12.098 m	1.276 m	2.501 m	15
		13.212 m	1.277 m	2.501 m	16
		14.326 m	1.277 m	2.501 m	17
		15.440 m	1.277 m	2.501 m	18

Individual luminaires

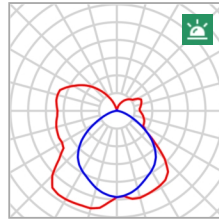
Building 1 · Ground Floor · Office Circulation Area

Luminaire layout plan

X	Y	Mounting height	Luminaire
0.453 m	0.773 m	2.502 m	1
16.004 m	0.773 m	2.503 m	2

Building 1 · Ground Floor · Office Circulation Area

Luminaire layout plan



Manufacturer	Thorlux Lighting	P	0.0 W
Article No.	WAM03D	P _{Emergency lighting}	3.0 W
Article name	Atom - 3W - 4000K - Down Arrow - SmartScan Emergency	Φ _{Luminaire}	0 lm
		Φ _{Emergency lighting}	110 lm
Fitting	1x Atom	ELF	100 %

Individual luminaires

X	Y	Mounting height	Luminaire
0.114 m	0.766 m	2.409 m	3
16.305 m	0.766 m	2.409 m	4

Building 1 · Ground Floor · Office Circulation Area

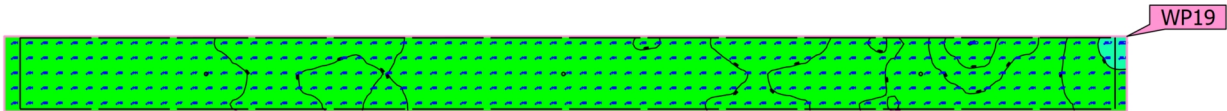
Luminaire list

Φ_{total} 28056 lm	P_{total} 308.7 W	Luminous efficacy 90.9 lm/W	$\Phi_{\text{Emergency lighting}}$ 646 lm	$P_{\text{Emergency lighting}}$ 14.7 W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	Eaton Emergency Lighting	40071352 192	Micropoint 2 O CG-S	2.9 W	142 lm	49.0 lm/W
				 2.9 W	142 lm (100 %)	–
30	ISOLED	113459	LED CRI940 MICRO Linear flex stripe, 24V DC, 10W, IP20, 4000K, 5m roll, 240 LED/m	10.0 W	921 lm	92.1 lm/W
2	Thorlux Lighting	WAM03D	Atom - 3W - 4000K - Down Arrow - SmartScan Emergency	 3.0 W	110 lm (100 %)	–

Building 1 · Ground Floor · Office Circulation Area (General Lighting)

Working plane (Office Circulation Area)



Properties	$\bar{E}$ (Target)	E_{min}	E_{max}	$U_o (g_1)$ (Target)	g_2	Index
Working plane (Office Circulation Area) Perpendicular illuminance Height: 0.800 m, Wall zone: 0.229 m	123 lx (≥ 100 lx) ✓	88.7 lx	200 lx	0.72 (≥ 0.40) ✓	0.44	WP19

Utilisation profile: Places of public assembly - General areas (5.28.1 Entrance halls)